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NOTICE OF ALLOWANCE AND FEE(S) DUE

23416 7590 06/21/2010 CONNOLLY BOVE LODGE & HUTZ, LLP P O BOX 2207

WILMINGTON, DE 19899

EXAMINER

ARNOLD, ERNST V

ART UNIT

PAPER NUMBER

1616 DATE MAILED: 06/21/2010

 APPLICATION NO.
 FILNO DATE
 HIST NAMED INVENTOR
 ATTORNEY DOCKET NO.
 CONFIRMATION NO.

 10/587.277
 07/25/2006
 Geoglio Li
 13796-00002-US
 4870

TITLE OF INVENTION: COMPOSITION CONTAINING ARTEMISININ FOR TREATMENT OF MALARIA

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	09/21/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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If the SMALL ENTITY is shown as NO:

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTORNEY DOCKET NO. CONFIRMATION			MATION NO.
10/587,277 TITLE OF INVENTION	07/25/2006 G: COMPOSITION CON	TAINING ARTEMISIN	Guoqiao Li IN FOR TREATMENT	ΓOF	MALARIA	13	796-00002-US		4870
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSU	FEE	TOTAL FEE(S) DUE	D	DATE DUE
nonprovisional	YES	\$755	\$300		\$0		\$1055	0	9/21/2010
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ARNOLD,		1616	514-895000	_					
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NOTE: The Issue Fee an interest as shown by the	a runtication Fee (if req records of the United Sta	uired) will not be accepte ites Patent and Trademark	a from anyone other the k Office.	an th	ie applicant; a regi	stered a	utorney or agent; or th	e assignee	or other party in
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



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DATE MAILED: 06/21/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/587,277	07/25/2006	Guoqiao Li	13796-00002-US	4870		
23416	23416 7590 06/21/2010			IINER		
CONNOLLY B	OVE LODGE & HU	ARNOLD, ERNST V				
P O BOX 2207		ART UNIT	PAPER NUMBER			
WILMINGTON, DE 19899			1616			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 352 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 352 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/587,277 LI ET AL. Notice of Allowability Examiner Art Unit FRNST V ARNOLD 1616 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to 5/28/10. The allowed claim(s) is/are 5-8 [renumbered as 1-4]. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some* c) ☐ None of the: a) 🔯 All 1. A Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. X Examiner's Statement of Reasons for Allowance of Biological Material 9. ☐ Other . /Ernst V Arnold/

Primary Examiner, Art Unit 1616

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DETAILED ACTION

Claims 5-8 are pending and under examination. The amendments find support as discussed in the interview summary filed 3/23/10.

Withdrawn rejections:

Applicant's amendments and arguments filed 5/28/10 are acknowledged and have been fully considered. Any rejection and/or objection not specifically addressed below is herein withdrawn. Claims 5 and 7 were rejected under 35 U.S.C. 103(a) as being unpatentable over Giao et al. (Poster Abstract International Symposium on Malaria Control in the Mekong Region Dec 10-13, 2002) in view of Abstract of EP0290959 and White (Phil Trans R Soc Lond B 1999, 354, 739-749) and Lai et al. (US 2004/0058981) and Klayman (Science 1985, 228(4703), 1049-1055). Applicant's amendments and unexpected results have overcome this rejection and it is properly withdrawn.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: It is unexpected that Applicant can use a reduced dosage amount in a shorter time period (see paragraph 11 of the Declaration filed on 10/29/09). The primary reference of Giao et al. teaches 4 doses over 3 days.

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Art Unit: 1616

Combinations of submission drugs against multifactly existent fateignatum in situation states and an elementary. Service of submission fateignatum in situation states and findicine candidates for such combinations; in a "uniforetised open tolded multiple," 189. Videousness existents with Palapasium intellation to the submission states are existent and uniforetised open tolded multiple. 189. Videousness existents with Palapasium intellation to the submission states are existent intellation and for only developed of the region of the submission and for only developed the submission states are submissionally developed to the submission of the submission states are submissionally developed to the submission of the submission o

The total amount of actives is: 64 + 640 + 180 + 10 = 894 mg active per dose X 4 doses = 3576 mg total actives over 3 days which is even more total active than the comparative example in the Declaration paragraph 11. *In contrast*, the instant invention only requires 4 tablets of the inventive combination for a total dose of 1750 mg in 24 hours. It is therefore unexpected that treatment can be achieved with a lower amount of actives in a shorter time period. Therefore, the Examiner deems the instant invention free of the art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Claims 5-8 [renumbered as 1-4] are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ERNST V. ARNOLD whose telephone number is (571)272-8509. The examiner can normally be reached on M-F 7:15-4:45.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Johann Richter can be reached on 571-272-0646. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Ernst V Arnold/ Primary Examiner, Art Unit 1616